BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:: Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over

Measurement Sheet

3rd And Final Bill

Sl. No	99								
Description of Items:	KSRB 4-6.5: Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2. (P.No.16, I.No.4.32 of PW,P&IWTD SR 2018-19)								
Unit NO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
			Add Qty,EMB No-1 in 1st RA Bill					42.00	Sqm
			Add Qty,EMB No-2 in 2nd RA Bill					0.00	Sqm
			Total Work Done					42.00	Sqm
			DPQ Qty,EMB No-1 in 1st RA Bill					42.00	Sqm
			Add Qty,EMB No-2 in 2nd RA Bill					0.00	Sqm
			Qty Payable in this bill					Nill	Sqm

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS * Bangalore

Consultant Representative

Assistant Engineer
Ward No 17

Asst.Executive Engineer
Yashwanthapura Sub-Division

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple In Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over

Measurement Sheet

3rd And Final Bill

Sl.No	100

KSRB - 4.2.8: Providing and laying in position reinforced cement concrete of design mix M 20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459cum, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for R.C.C beams, columns of all sizes in foundation plinth and superstructure ground floor level for roof slabs, staircase, lintels, columns, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Speceification No. KBS 4.1.4.6. (P.No.14, I.No 4.13 of PW, P&IWTD S.R 2018-19)

SL.NO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
			Add Qty,EMB No-1 in 1st RA Bill					25.44	Cum
			Add Qty,EMB No-2 in 2nd RA Bill					0.00	Cum
			Total Work Done					25.44	Cum
			DPQ Qty,EMB No-1 in 1st RA Bill					25.44	Cum
			Add Qty,EMB No-2 in 2nd RA Bill					0.00	Cum
			Qty Payable in this bill					Nill	Cum

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS ★ Bangalore

Consultant Representative

Assistant Engineer
Ward No 17

Asst.Executive Engineer
Yashwanthapura Sub-Division

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL circle to Mathikere Fly Over

Measurement Sheet
3rd And Final Bill

Item No. 4.0.2 Providing TMT steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, hire of machinery complete as per specifications. Specification No. KBS 4.6.3 (P.No.17, I.No 4.46.2 of PW, P&(WTD SR 2018-19)

23/5/22

CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	REMARKS
From SDM Modular Furnitures Behind Railway Track						
Retaining Wall						
Raft				Weight per mtr		
Main Bar Bottom 12mm Dia @ 150mm c/c	327	2.00		0.89	580.62	
Main Bar Top 12mm Dia @ 150mm c/c	327	2.00		0.89	580.62	
Distribution Bar Bottom 8mm Dia @ 150mm c/c	11	65.32		0.40	270.96	
Distribution Bar Top 8 mm Dia @ 150mm c/c	11	65.32		0.40	270.96	
Wall						
Main Bar outer 16 mm Dia @ 150mm c/c	327	3.45		1.58	1780.57	
Main Bar Inner16 mm Dia @ 150mm c/c	327	3.45		1.58	1780.57	
Distribution Bar outer 8mm Dia @ 150mm c/c	25	65.32		0.40	656.20	
Distribution Bar Inner 8mm Dia @ 150mm c/c	29	65.30		0.40	756.73	
				Total Qty Work Done	6677.23	Kgs
				Total Qty Work Done	6.68	Tonne
				Qty Limited	6.60	Tonne
				Add Qty,EMB No-1 in 1st RA Bill	3.18	Tonne
				Add Qty,EMB No-2 in 2nd RA Bill	0.00	Tonne
				Total Work Done	9.78	Tonne
				DPQ Qty,EMB No-1 in 1st RA Bill	3.18	Tonne
				Add Qty,EMB No-2 in 2nd RA Bill	0.00	Tonne
				Qty Payable in this bill	6.60	Tonne

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS * Bangalore

Consultant Representative

Assistant Engineer
Ward No 17

Assistant Executive Engineer
Yashwanthapura Sub Division
23/05/22

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Construction of Arch and Providing Interlocking Tiles in Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over

Measurement Sheet

3rd And Final Bill

SI No											
	102										
	KSRRB 300- Scarifying the surface and dressing KSRRB 300-44: Scarifying top bituminous surface or surface dressing or premix carpet including picking up scarified materials, stacking of old serviceable materials by manual means including cost of all labour charges complete as per specifications. MORTH chapter 3, (P.No.147, I.No.19.50 of PW, P&IWTD S.R 2018-19)										
NO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS	
	Land Mark			(m)	(m)	(m)	(m)	(m)			
	Sai Baba Temple Road From (Front off Sopanam Archdes)										
	0.00	30.00	1	30.00	7.30	7.30	7.30		219.00		
	30.00	60.00	1	30.00	7.30	6.00	6.65	-	199.50		
	60.00	72.00	1	12.00	6.00	7.80	6.90	-	82.80		
								Total Qty Work Done	501.30	Sqm	
								Add Qty,EMB No-1 in 1st RA Bill	0.00	Sqm	
								Add Qty,EMB No-2 in 2nd RA Bill	87.00	Sqm	
								Total Work Done	588.30	Sqm	
								DPQ Qty,EMB No-1 in 1st RA Bill	0.00	Sqm	
								Add Qty,EMB No-2 in 2nd RA Bill	87.00	Sqm	
								Qty Payable in this bill	501.30	Sqm	

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No 17

Asst.Executive Engineer
Yashwanthapura Sub Division

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Construction of Arch and Providing Interlocking Tiles in Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over

Measurement Sheet

3rd And Final Bill

Sl. No: 103

10/5/22

KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. MORTH Specification No. 406 (P.No.158, I.No.20.18 of PW,P&IWTD S.R 2018-19)

Sl NO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	Sai Baba Temple Road From Shankar Bekery Undr Pass									
	0.00	30.00	1	30.00	7.30	7.30	7.30	0.18	38.33	
	30.00	60.00	1	30.00	7.30	6.00	6.65	0.18	34.91	
	60.00	72.00	1	12.00	6.00	7.80	6.90	0.18	14.49	
	Footpath									
	Sai Baba Temple Road From Sopanam Arcade-LHS									
	0.00	30.00	1	30.00	1.50	1.50	1.50	0.15	6.75	
	30.00	31.40	1	1.40	1.50	1.60	1.55	0.15	0.33	
	31.40	36.10	1	4.70	-	-	-	-	-	**No Work**
	36.10	54.80	1	18.70	1.70	1.70	1.70	0.15	4.77	
	Sai Baba Temple Road From Shankar Bekery-RHS									
	0.00	7.60	1	7.60	1.60	1.60	1.60	0.15	1.82	
	Sai Baba Temple Road From Asha									
	0.00	10.30	1	10.30	1.50	1.50	1.50	0.15	2.32	
	10.30	15.70	1	5.40	-	-	-	-	-	
	15.70	30.00	1	14.30	1.50	1.50	1.50	0.15	3.22	
	30.00	43.20	1	13.20	1.50	1.50	1.50	0.15	2.97	
	43.20	50.70	1	7.50	-	-	-	-	-	
	50.70	57.70	1	7.00	1.20	1.20	1.20	0.15	1.26	
	Deductions		-1	1.80	1.70	1.70	1.70	0.15	-0.46	

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Man Holes		-1	1.50	1.20	1.20	1.20	0.15	-0.27		
		-1	1.40	1.90	1.90	1.90	0.15	-0.40		
		-1	1.10	1.80	1.80	1.80	0.15	-0.30		
Rataining Wall			From SDM Modular Furnitures Behind Railway Track							
0.00	30.00	1	30.00	2.50	2.50	2.50	0.23	17.25		
30.00	36.32	1	6.32	2.50	2.50	2.50	0.23	3.63		
36.32	45.32	1	9.00	2.50	2.50	2.50	0.25	5.63		
45.32	65.32	1	20.00	2.50	2.50	2.50	0.25	12.50		
								Total Qty Work Done	148.74	
								Add Qty,EMB No-1 in 1st RA Bill	0.00	Cum
								Add Qty,EMB No-2 in 2nd RA Bill	0.00	Cum
								Total Work Done	148.74	Cum
								DPQ Qty,EMB No-1 in 1st RA Bill	0.00	Cum
								Add Qty,EMB No-2 in 2nd RA Bill	0.00	Cum
								Qty Payable in this bill	148.74	Cum

Contractor Representative

QUALITY CONSULTANTS ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No 17
10/5/2022

Asst.Executive Engineer
Yashwanthapura Sub-Division
10/05/2022

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:: Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Extention of RCC Roof for Ramp Near Ganesha Temple In Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over

Measurement Sheet

3rd And Final Bill

Sl No										
	104									
	Royal Bench: Made out of Sadrahallli grey stone with hand support with machine cutting top slab with line finishing with ARCH desgin neatly curved and fixing with 150mm slab 150x45x150(Approved Data Rate)								20/7/22	
	CHAINAGE	NO	L	B	B1	Avg B	D	QTY	REMARKS	
NO	Land Mark		(m)	(m)	(m)	(m)	(m)			
			Sai Baba Temple							
		12						12.00		
			Total Qty Work Done					12.00	Nos	
			Add Qty,EMB No-1 in 1st RA Bill					0.00	Nos	
			Add Qty,EMB No-2 in 2nd RA Bill					0.00	Nos	
			Total Work Done					12.00	Nos	
			DPQ Qty,EMB No-1 in 1st RA Bill					0.00	Nos	
			Add Qty,EMB No-2 in 2nd RA Bill					0.00	Nos	
			Qty Payable in this bill					12.00	Nos	

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS * CIVIL * Bangalore

Consultant Representative

Assistant Engineer
Ward No 17

30/7/2022

Asst.Executive Engineer
Yashwanthapura Sub-Division

28/7/22

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of Arch and Providing Interlocking Tiles in Front of Sai Baba Temple And Extension of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Footpath from BEL Circle to Mattikere Fly Over

Measurement Sheet

3rd And Final Bill

Unit: nos

Date: 27/4/22

Item: KSSR 4.2.2 : Providing and laying in position Reinforced cement concrete of Design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates and sand/quarm and fine aggregates @0.460cum with super plasticisers @ 3lts conforming to is 9103 2000 reafirmed -2008, machine mixed concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation for footings, pedastals retaining walls, return walls, walls (any thickness) including attached plasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1.4.6, No. KBS 4.1.4.6, (P.No. 13, No.4.11 of PW,P&IWTD S.R 2018-19)

CHAINAGE		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Land Mark									
Rataining Wall-Raft			From SDM Modular Furnitures Behind Railway Track						
0.00	30.00	1	30.00	2.10	2.10	2.10	0.45	28.35	
30.00	36.32	1	6.32	2.10	2.10	2.10	0.45	5.97	
36.32	45.32	1	9.00	2.10	2.10	2.10	0.45	8.51	
45.32	59.82	1	14.50	2.10	2.10	2.10	0.45	13.70	
Rataining Wall-Below GL			From SDM Modular Furnitures Behind Railway Track						
0.00	30.00	1	30.00	0.45	0.45	0.45	1.00	13.50	
30.00	36.32	1	6.32	0.45	0.45	0.45	1.00	2.84	
36.32	45.32	1	9.00	0.45	0.45	0.45	1.00	4.05	
45.32	59.82	1	14.50	0.45	0.45	0.45	1.00	6.53	
Rataining Wall-AboveGL			From SDM Modular Furnitures Behind Railway Track						
0.00	30.00	1	30.00	0.25	0.23	0.24	2.90	20.88	
30.00	36.32	1	6.32	0.25	0.23	0.24	2.90	4.40	
36.32	45.32	1	9.00	0.25	0.23	0.24	0.90	1.94	
45.32	59.82	1	14.50	0.25	0.23	0.24	2.80	9.74	
							Total Qty Work Done	120.42	Cum
							Add Qty,EMB No-1 in 1st RA Bill	0.00	Cum
							Add Qty,EMB No-2 in 2nd RA Bill	0.00	Cum
							Total Work Done	120.42	Cum
							DPQ Qty,EMB No-1 in 1st RA Bill	0.00	Cum
							Add Qty,EMB No-2 in 2nd RA Bill	0.00	Cum
							Qty Payable in this bill	120.42	Cum

Checked

Executive Engineer
Rajeshwari Nagara Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 054.

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No 17
27/5/2022

Asst.Executive Engineer
Yashwanthapura Sub-Division
27/5/2022

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of Arch and Providing Interlocking Tiles in Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No. 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over

Measurement Sheet

3rd And Final Bill

Page No. 106

20/1/22

KSSR 14.6.1 : Providing and laying heavy duty cobble stones 75mm thick interlock pavers, using cement and course sand for manufactures of blocks of approved size , shape and colour with a minimum compressive strength of 281kgs per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour, curing complete as per specifications. (P.No.101, I.No 14.7 of PW, P&IWTD SR 2018-19)

CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
Sai Baba Temple Road From Shankar Bekery Undr Pass									
0.00	30.00	1	30.00	7.30	7.30	7.30		219.00	
30.00	60.00	1	30.00	7.30	6.00	6.65		199.50	
60.00	72.00	1	12.00	6.00	7.80	6.90		82.80	
Footpath									
Sai Baba Temple Road From Sopanam Arcade-RHS									
0.00	30.00	1	30.00	1.50	1.50	1.50		45.00	
30.00	31.40	1	1.40	1.50	1.60	1.55		-	No Work
31.40	36.10	1	4.70	-	-	-		-	
36.10	54.80	1	18.70	1.70	1.70	1.70		31.79	
Sai Baba Temple Road From Shankar Bekery-RHS									
0.00	7.60	1	7.60	1.60	1.60	1.60		12.16	
Sai Baba Temple Road From Asha Beauty parlour									
0.00	10.30	1	10.30	1.50	1.50	1.50		15.45	
10.30	15.70	1	5.40	-	-	-		-	Cross Road
15.70	30.00	1	14.30	1.50	1.50	1.50		21.45	
30.00	43.20	1	13.20	1.50	1.50	1.50		19.80	

Executive Engineer
Rajarajeshwari Nagara Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 054.

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43.20	50.70	1	7.50	-	-	-		
50.70	57.70	1	7.00	1.20	1.20	1.20		

Cross Road

Total Qty Work Done	657.82	Sqm
Add Qty,EMB No-1 in 1st RA Bill	640.00	Sqm
Total Qty Limited	0.00	Sqm
Add Qty,EMB No-2 in 2nd RA Bill	0.00	Sqm
Total Work Done	640.00	Sqm
DPQ Qty,EMB No-1 in 1st RA Bill	0.00	Sqm
Add Qty,EMB No-2 in 2nd RA Bill	0.00	Sqm
Qty Payable in this bill	640.00	Sqm

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No 17

Asst.Executive Engineer
Yashwanthapura Sub-Division

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:: Construction of Arch and Providing Interlocking Tiles in Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple In Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over

Measurement Sheet

3rd And Final Bill

Sl No		Providing and fixing granite name board fixed in cement morter to wall."The board shall be fixed as per the drawing and at the place indicated by the engineer in charge of the work the cost includes bare cost of all materials, scaffolding,transportation charges, fixing charges, labour HOM Etc (Qutation Rate)							
	107								
	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
			Sai Baba Temple						
		1						1.00	
							Total Qty Work Done	1.00	Sqm
							Add Qty,EMB No-1 in 1st RA Bill	1.00	Sqm
							Add Qty,EMB No-2 in 2nd RA Bill	0.00	Sqm
							Total Work Done	2.00	Sqm
							DPQ Qty,EMB No-1 in 1st RA Bill	1.00	Sqm
							Add Qty,EMB No-2 in 2nd RA Bill	0.00	Sqm
							Qty Payable in this bill	1.00	Sqm

20/9/22

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No 17

20/9/2022

Asst.Executive Engineer
Yashwanthapura Sub-Division

20/9/2022

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Construction of Arch and Providing Interlocking Tiles in Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over

Measurement Sheet

3rd And Final Bill

Sl.No	Item
	108

Fabricating supplying and erecting M.S. Tubuler Truss of all span as per approved drawing design with prefabricated applications using quality material and are durable reliable and corrosion and abrasion resistant. welding shall confirm to latest structural welding code. Quality shall be on various parameters like shape, size, design gauge and polish. The entire trusses is anchored in RCC column by using 4 nos of M.S. anchor bolts at each support with 10mm thick base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S. pipes and welding wherever necessary and applying one coat of redoxide primer coat to all the members including cost of all materials, labour charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, etc. complete as per specification. (P.No.43, I.No.7.29 of PW, P&IWTD SR 2018-19)

CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
		Add Qty,EMB No-1 in 1st RA Bill					25052.00	Kg
		Add Qty,EMB No-2 in 2nd RA Bill					0.00	Kg
		Total Work Done					25052.00	Kg
		DPQ Qty,EMB No-1 in 1st RA Bill					25052.00	Kg
		Add Qty,EMB No-2 in 2nd RA Bill					0.00	Kg
		Qty Payable in this bill					Nill	Kg

Contractor Representative

QUALITY CONSULTANTS ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No 17

Asst.Executive Engineer
Yashwanthapura Sub-Division

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Construction of Arch and Providing Interlocking Tiles in Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over

Measurement Sheet

3rd And Final Bill

Sl. No:	109

PROVIDING TRAPEZOIDAL PROFILED SHEET Providing and installing of pre painted Galvolume iron Trpezoidal profiled sheet of approved make 1060mm width (1000mm cover width), 28-30 mm crest height with cest distance of 200 mm c/c with 2 ribs at the center for stiffening , The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc -Alu Alloy coating AZ 150 gsm as pe ASTM 1397/A755-550 mpa steel grade. 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling /self tapping screws of 25mm length,to be fixed over the existing purlins, rafters channel and trusses. (P.No.299, I.No.38.30 of PW,P&IWTD S.R 2018-19)

SL.NO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
			Add Qty,EMB No-1 in 1st RA Bill					954.00	Sqm
			Add Qty,EMB No-2 in 2nd RA Bill					0.00	Sqm
			Total Work Done					954.00	Sqm
			DPQ Qty,EMB No-1 in 1st RA Bill					954.00	Sqm
			Add Qty,EMB No-2 in 2nd RA Bill					0.00	Sqm
			Qty Payable in this bill					Nill	Sqm

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant/Representative

Assistant Engineer
Ward No 17

Asst.Executive Engineer
Yashwanthapura Sub-Division

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Construction of Arch and Providing Interlocking Tiles in Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over

Measurement Sheet

3rd And Final Bill

No: 110

12/5/22

KSRRR M100-1 & M100-4.1. Conveying by Loading and unloading of moorum/debris. Placing in tipper at loading point, loading with front end loader, dumping, turning for return trip, including time for haulage and return trip complete as per specifications. MORTH-100/Chapter 1, Case-I Surface Road. (Page No.136, Iteam No-17.1 & 17.4 & note of P.No.139 of PW,P&IWTD S.R 2018-19)

SNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	Pisliting- Drain		Sai Baba Temple Road From (Front off Sopanam Archdes)							
	0.00	6.30	1	6.30	0.60	0.60	0.60	0.60	2.27	
	6.30	7.30	1	1.00	-	-	-	-	-	Cross Road
	7.30	33.80	1	26.50	0.60	0.60	0.60	0.60	9.54	
	Compound Wall		Sai Baba Temple							
	0.00	22.60	1	22.60	1.05	1.05	1.05	1.80	42.71	
	Stages		1.00	8.90	4.80	4.80	4.80	2.30	98.26	
			Sai Baba Temple Road From (Front off Sopanam Archdes)							
	0.00	30.00	1	30.00	7.30	7.30	7.30	0.60	131.40	
	30.00	60.00	1	30.00	7.30	6.00	6.65	0.60	119.70	
	60.00	72.00	1	12.00	6.00	7.80	6.90	0.60	49.68	
								Total Qty Work Done	453.56	Cum
								Add Qty,EMB No-1 in 1st RA Bill	106.92	Cum
								Add Qty,EMB No-2 in 2nd RA Bill	0.00	Cum
								Total Work Done	560.48	Cum
								DPQ Qty,EMB No-1 in 1st RA Bill	106.92	Cum
								Add Qty,EMB No-2 in 2nd RA Bill	0.00	Cum
								Qty Payable in this bill	453.56	Cum

Contractor Representative

CIVIL CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No 17
12/5/2022

Asst.Executive Engineer
Yashwanthapura Sub-Division
12/5/22

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:: Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple In Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over

Measurement Sheet

3rd And Final Bill

02/6/22

NO										
	111									
	KSRRB M400-6.2: Construction of granular sub case by providing close graded material spreading in uniform layers with motors grader on prepared surface, mixing by mix in place method by rotavator at OMC, and compacting with vibratory power roller to achieve the desired density, complete as per specifications. B, By mix in place method. (P.No.153 I.No.20.5 of PW, P&IWTD S.R 2018-19)									
	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	2nd Cross Road From # No 23 Venkateshwara Nilaya to #516/A									
	0.00	30.00	1	30.00	4.10	3.70	3.90	0.15	17.55	
	30.00	60.00	1	30.00	3.70	3.60	3.65	0.15	16.43	
	60.00	90.00	1	30.00	3.60	4.20	3.90	0.15	17.55	
	90.00	113.00	1	23.00	4.20	4.80	4.50	0.15	15.53	
	From ABS Bakery And Candiments Opposite									
	0.00	30.00	1	30.00	4.00	3.80	3.90	0.15	17.55	
	30.00	60.00	1	30.00	3.80	3.40	3.60	0.15	16.20	
	60.00	90.00	1	30.00	3.40	6.60	5.00	0.15	22.50	
	90.00	120.00	1	30.00	6.60	3.80	5.20	0.15	23.40	
	120.00	150.00	1	30.00	4.00	3.50	3.75	0.15	16.88	
	150.00	169.00	1	19.00	3.50	3.40	3.45	0.15	9.83	
								Total Qty Work Done	173.41	Cum
								Qty Limited	172.43	Cum
								Add Qty,EMB No-1 in 1st RA Bill	0.00	Cum
								Add Qty,EMB No-2 in 2nd RA Bill	0.00	Cum
								Total Work Done	172.43	Cum
								DPQ Qty,EMB No-1 in 1st RA Bill	0.00	Cum
								Add Qty,EMB No-2 in 2nd RA Bill	0.00	Cum
								Qty Payable in this bill	172.43	Cum

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No 17
02/06/2022

Asst.Executive Engineer
Yashwanthapura Sub Division
02/06/2022

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of Arch and Providing Interlocking Tiles in Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over

Measurement Sheet

3rd And Final Bill

2/6/22

112

KSHBR M600.1: Construction of dry lean cement concrete mix CC1:5:10 with (OPC cement @ 160kg with 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @ 0.58cum sub-base over a prepared sub-grade with (coarse and fine aggregate conforming to IS " 383) aggregates cement ratio not to exceed 15:1, aggregate gradation after blending to be as per table 600-1, cement content not to be less than 160 kg/cum, optimum moisture content to be determined during trial length construction ,concrete strength not to less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonne vibratory roller, finishing and curing complete as per specifications. MORTH specification No. 601, (P.No.158, I.No.22.1.2 of PW.P&IWTD S.R 2018-19)

CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
2nd Cross Road From # No 23 Venkateshwara Nilaya to #516/A									
0.00	30.00	1	30.00	4.10	3.70	3.90	0.15	17.55	
30.00	60.00	1	30.00	3.70	3.60	3.65	0.15	16.43	
60.00	90.00	1	30.00	3.60	4.20	3.90	0.15	17.55	
90.00	120.00	1	23.00	4.20	4.80	4.50	0.15	15.53	
From ABS Bakery And Candiments Opposite									
0.00	30.00	1	30.00	4.00	3.80	3.90	0.15	17.55	
30.00	60.00	1	30.00	3.80	3.40	3.60	0.15	16.20	
60.00	90.00	1	30.00	3.40	6.60	5.00	0.15	22.50	
90.00	120.00	1	30.00	6.60	3.80	5.20	0.15	23.40	
120.00	150.00	1	30.00	4.00	3.50	3.75	0.15	16.88	
150.00	169.00	1	19.00	3.50	3.40	3.45	0.15	9.83	
						Total Qty Work Done		173.41	Cum
						Qty Limited		172.43	Cum
						Add Qty,EMB No-1 in 1st RA Bill		0.00	Cum
						Add Qty,EMB No-2 in 2nd RA Bill		5.28	Cum
						Total Work Done		177.71	Cum
						DPQ Qty,EMB No-1 in 1st RA Bill		0.00	Cum
						Add Qty,EMB No-2 in 2nd RA Bill		5.28	Cum
						Qty Payable in this bill		172.43	Cum

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No 17

8/6/22

Asst.Executive Engineer
Yashwanthapura Sub-Division

8/6/22

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Construction of Arch and Providing Interlocking Tiles in Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over

Measurement Sheet

3rd And Final Bill

SNO		CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
		Land Mark			(m)	(m)	(m)	(m)	(m)		
		2nd Cross Road From # No 23 Venkateshwara Nilaya to #516/A									
	0.00	30.00		1	30.00	4.10	3.70	3.90	0.15	17.55	
	30.00	60.00		1	30.00	3.70	3.60	3.65	0.15	16.43	
	60.00	90.00		1	30.00	3.60	4.20	3.90	0.15	17.55	
	90.00	113.00		1	23.00	4.20	4.80	4.50	0.15	15.53	
		From ABS Bakery And Candiments Opposite									
	0.00	30.00		1	30.00	4.00	3.80	3.90	0.15	17.55	
	30.00	60.00		1	30.00	3.80	3.40	3.60	0.15	16.20	
	60.00	90.00		1	30.00	3.40	6.60	5.00	0.15	22.50	
	90.00	120.00		1	30.00	6.60	3.80	5.20	0.15	23.40	
	120.00	150.00		1	30.00	4.00	3.50	3.75	0.15	16.88	
	150.00	169.00		1	19.00	3.50	3.40	3.45	0.15	9.83	
										Total Qty Work Done	**173.41** Cum
										Qty Limited	**172.43** Cum
										Add Qty,EMB No-1 in 1st RA Bill	**0.00** Cum
										Add Qty,EMB No-2 in 2nd RA Bill	**5.28** Cum
										Total Work Done	**177.71** Cum
										DPQ Qty,EMB No-1 in 1st RA Bill	**0.00** Cum
										Add Qty,EMB No-2 in 2nd RA Bill	**5.28** Cum
										Qty Payable in this bill	**172.43** Cum

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS * CIVIL * Bangalore

Consultant Representative

Assistant Engineer
Ward No 17
17/6/22

Asst.Executive Engineer
Yashwanthapura Sub-Division
13/06/2022

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Construction of Arch and Providing Interlocking Tiles in Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No. 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over

Measurement Sheet

3rd And Final Bill

S.NO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
114	Vaccum De- writing with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery Screed Vibratory Power Floater blade and disc etc. with all lead and lift. (P.No.101, I.No.22.7 of PW, P&IWTD SR 2018-19)								13/6/22	
	2nd Cross Road From # No 23 Venkateshwara Nilaya to #516/A									
	0.00	30.00	1	30.00	4.10	3.70	3.90		117.00	
	30.00	60.00	1	30.00	3.70	3.60	3.65		109.50	
	60.00	90.00	1	30.00	3.60	4.20	3.90		117.00	
	90.00	113.00	1	23.00	4.20	4.80	4.50		103.50	
	From ABS Bakery And Candiments Opposite									
	0.00	30.00	1	30.00	4.00	3.80	3.90		117.00	
	30.00	60.00	1	30.00	3.80	3.40	3.60		108.00	
	60.00	90.00	1	30.00	3.40	6.60	5.00		150.00	
	90.00	120.00	1	30.00	6.60	3.80	5.20		156.00	
	120.00	150.00	1	30.00	4.00	3.50	3.75		112.50	
	150.00	169.00	1	19.00	3.50	3.40	3.45		65.55	
								Total Qty Work Done	1156.05	Sqm
								Total Qty Limited	1149.50	Sqm
								Add Qty,EMB No-1 in 1st RA Bill	0.00	Sqm
								Add Qty,EMB No-2 in 2nd RA Bill	0.00	Sqm
								Total Work Done	1149.50	Sqm
								DPQ Qty,EMB No-1 in 1st RA Bill	0.00	Sqm
								Add Qty,EMB No-2 in 2nd RA Bill	0.00	Sqm
								Qty Payable in this bill	1149.50	Sqm

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No 17
13/6/2022

Asst.Executive Engineer
Yashwanthapura Sub-Division

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Construction of Arch and Providing Interlocking Tiles in Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over

Measurement Sheet

3rd And Final Bill

Item No: 115

Dismantling of existing structures like culverts, bridges, retaining walls and other structures comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. --do- II. By Mechanical Means. A. Cement Concrete Grade M-15 & M-20.. MORTH Specification No. 202 . As Per Direction Of The Engineer Incharge. **Upto 125%**

SNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	Add Qty,EMB No-1 in 1st RA Bill							**0.00**	**Cum**
	Add Qty,EMB No-2 in 2nd RA Bill(Up to 125%)							**2.34**	**Cum**
	Add Qty,EMB No-2 in 2nd RA Bill(Above 125%)							**33.60**	**Cum**
	Total Work Done							**35.94**	**Cum**
	DPQ Qty,EMB No-1 in 1st RA Bill							**0.00**	**Cum**
	DPQ Qty,EMB No-2 in 2nd RA Bill(Up to 125%)							**2.34**	**Cum**
	DPQ Qty,EMB No-2 in 2nd RA Bill(Above 125%)							**33.60**	**Cum**
	Qty Payable in this bill							**Nill**	**Cum**

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS * Bangalore

Consultant Representative

Assistant Engineer
Ward No 17

Asst.Executive Engineer
Yashwanthapura Sub-Division

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of Arch and Providing Interlocking Tiles in Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No. 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over

Measurement Sheet

3rd And Final Bill

Sl. No									
	116								
	Dismantling of cement concrete pavement by mechanical means using pneumatic tools breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials separately complete as per specifications. MORTH Specification No. 202. As Per Direction Of The Engineer Incharge								
	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg.B (m)	D (m)	QTY	REMARKS
								Add Qty,EMB No-1 in 1st RA Bill	0.00 Cum
								Add Qty,EMB No-2 in 2nd RA Bill	11.25 Cum
								Total Work Done	11.25 Cum
								DPQ Qty,EMB No-1 in 1st RA Bill	0.00 Cum
								Add Qty,EMB No-2 in 2nd RA Bill	11.25 Cum
								Qty Payable in this bill	Nill Cum

Contractor Representative

QUALITY CONSULTANTS ENGINEERS * Bangalore

Consultant Representative

Assistant Engineer
Ward No 17

Asst.Executive Engineer
Yashwanthapura Sub Division
20/08/22

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Construction of Arch and Providing Interlocking Tiles in Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over

Measurement Sheet

3rd And Final Bill

SI No		Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. iii) Dismantling stone Masonry.KSRRB M200- 15.2. -do- B. Rubble stone masonry in cement mortar. MORTH Specification No. 202 . As Per Direction Of The Engineer Incharge							
	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
NO	117								
								Add Qty,EMB No-1 in 1st RA Bill	0.00 Cum
								Add Qty,EMB No-2 in 2nd RA Bill	122.04 Cum
								Total Work Done	122.04 Cum
								DPQ Qty,EMB No-1 in 1st RA Bill	0.00 Cum
								Add Qty,EMB No-2 in 2nd RA Bill	122.04 Cum
								Qty Payable in this bill	Nill Cum

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No 17

Asst.Executive Engineer
Yashwanthapura SUB Division
19/07/18

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple In Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over

Measurement Sheet

3rd And Final Bill

Sl No	Description of Work	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
118	Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 . As Per Direction Of The Engineer Incharge **Upto 125%**								
	CHAINAGE / Land Mark								
	Add Qty,EMB No-1 in 1st RA Bill							**0.00**	
	Add Qty,EMB No-2 in 2nd RA Bill(Up to 125%)							**480.91**	**Cum**
	Add Qty,EMB No-2 in 2nd RA Bill(Above 125%)							**306.39**	**Cum**
	Total Work Done							**787.30**	**Cum**
	DPQ Qty,EMB No-1 in 1st RA Bill							**0.00**	**Cum**
	DPQ Qty,EMB No-2 in 2nd RA Bill(Up to 125%)							**480.91**	**Cum**
	DPQ Qty,EMB No-2 in 2nd RA Bill(Above 125%)							**306.39**	**Cum**
	Qty Payable in this bill							**Nill**	**Cum**

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No 17

Asst.Executive Engineer
Yashwanthapur Sub-Division

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Construction of Arch and Providing Interlocking Tiles in Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over

Measurement Sheet

3rd And Final Bill

Item No:	119								
Description:	Plain cement concrete 1:3:6 mix with crushed stone aggregate 40 m nominal size mechanically mixed, placed in foundation and compacted by vibration including curing complete as per specifications MORTH Specification No. 408 . As Per Direction Of The Engineer Incharge								
SI NO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	Add Qty,EMB No-1 in 1st RA Bill							**0.00**	**Cum**
	Add Qty,EMB No-2 in 2nd RA Bill							**61.78**	**Cum**
	Total Work Done							**61.78**	**Cum**
	DPQ Qty,EMB No-1 in 1st RA Bill							**0.00**	**Cum**
	Add Qty,EMB No-2 in 2nd RA Bill							**61.78**	**Cum**
	Qty Payable in this bill							**Nill**	**Cum**

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No 17

Asst.Executive Engineer
Yashwanthapura Sub-Division

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over

Measurement Sheet

3rd And Final Bill

SL NO										
	120									
	Providing and laying Plain / Reinforced Cement Concrete design mix M25 with OPC @ 340kgs. with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregates @ 0.47cum, with superplasticizer @3lts confirming to IS9103-1999 Reaffirmed-2008,Open Foundation complete as per Drawing and Technical Specification including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. MORTH Specification No. 1500,1700 & 2100 . As Per Direction Of The Engineer Incharge									
	CHAINAGE	NO	L	B	B1	Avg B	D	QTY	REMARKS	
	Land Mark		(m)	(m)	(m)	(m)	(m)			
			Add Qty,EMB No-1 in 1st RA Bill					0.00	Cum	
			Add Qty,EMB No-2 in 2nd RA Bill(Up to 125%)					51.38	Cum	
			Add Qty,EMB No-2 in 2nd RA Bill(Above 125%)					93.68	Cum	
			Total Work Done					145.06	Cum	
			DPQ Qty,EMB No-1 in 1st RA Bill					0.00	Cum	
			DPQ Qty,EMB No-2 in 2nd RA Bill(Up to 125%)					51.38	Cum	
			DPQ Qty,EMB No-2 in 2nd RA Bill(Above 125%)					93.68	Cum	
			Qty Payable in this bill					Nill	Cum	

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No 17

Asst.Executive Engineer
Yashwanthpur Sub-Division

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Construction of Arch and Providing Interlocking Tiles in Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Matthkere Fly Over

Measurement Sheet

3rd And Final Bill

No	1.21								
	Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification. MORTH Specification No.1600 & 2200 TMT Bars Fe 500 . As Per Direction Of The Engineer Incharge.								
NO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	Add Qty,EMB No-1 in 1st RA Bill							0.00	Tonnes
	Add Qty,EMB No-2 in 2nd RA Bill(Up to 125%)							3.24	Tonnes
	Add Qty,EMB No-2 in 2nd RA Bill(Above 125%)							0.60	Tonnes
	Total Work Done							3.84	Tonnes
	DPQ Qty,EMB No-1 in 1st RA Bill							0.00	Tonnes
	DPQ Qty,EMB No-2 in 2nd RA Bill(Up to 125%)							3.24	Tonnes
	DPQ Qty,EMB No-2 in 2nd RA Bill(Above 125%)							0.60	Tonnes
	Qty Payable in this bill							Nill	Tonnes

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No 17

Asst.Executive Engineer
Yashwanthapura Sub Division

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Construction of Arch and Providing Interlocking Tiles in Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over

Measurement Sheet

3rd And Final Bill

Sl No									
	122								
	Providing & laying precast drain cover slab of 100 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading, unloading etc, complete as per the directions of the Engineer In Charge.(0.90 x 0.60 x 0.10) . As Per Direction Of The Engineer Incharge.								
NO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	Add Qty,EMB No-1 in 1st RA Bill							0.00	Sqm
	Add Qty,EMB No-2 in 2nd RA Bill(Up to 125%)							151.25	Sqm
	Add Qty,EMB No-2 in 2nd RA Bill(Above 125%)							19.99	Sqm
	Total Work Done							171.24	Sqm
	DPQ Qty,EMB No-1 in 1st RA Bill							0.00	Sqm
	DPQ Qty,EMB No-2 in 2nd RA Bill(Up to 125%)							151.25	Sqm
	DPQ Qty,EMB No-2 in 2nd RA Bill(Above 125%)							19.99	Sqm
	Qty Payable in this bill							Nill	Sqm

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No 17

Asst.Executive Engineer
Yashwanthapura Sub-Division

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of Arch and Providing Interlocking Tiles in Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over

Measurement Sheet

3rd And Final Bill

Item No: 123

Providing & laying precast drain cover slab of 250 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading, unloading etc, complete as per the directions of the Engineer In Charge.(1.2 x 0.60 x 0.25) . As Per Direction Of The Engineer Incharge. **Upto 125%**

SI.NO	CHAINAGE Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:: Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple In Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over

Measurement Sheet

3rd And Final Bill

Item No:	124
Item Desc:	Providing and laying heavy duty cobble stones interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM complete as per specifications. Specification No. KBSKSRB 14.6-2 (do - heavy duty cobble stones 60mm thick) . As Per Direction Of The Engineer Incharge

CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Add Qty,EMB No-1 in 1st RA Bill							0.00	Sqm
Add Qty,EMB No-2 in 2nd RA Bill							535.42	Sqm
DPQ Qty,EMB No-1 in 1st RA Bill							535.42	Sqm
Total Work Done							0.00	Sqm
Add Qty,EMB No-2 in 2nd RA Bill							535.42	Sqm
Qty Payable in this bill							Nill	Sqm

Contractor Representative

QUALITY CONSULTANTS Bang...lore

Consultant Representative

Assistant Engineer
Ward No 17

Asst.Executive Engineer
Yashwanthapura Sub Division

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:: Construction of Arch and Providing Interlocking Tiles in Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over

Measurement Sheet

3rd And Final Bill

Sl No									
	125	Providing and fixing pre cast solid concrete kerb stones of size 450x150x500 mm made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting ete., complete.. As Per Direction Of The Engineer Incharge							
	CHAINAGE	NO	L	B	B1	Avg B	D	QTY	REMARKS
NO	Land Mark		(m)	(m)	(m)	(m)	(m)		
			Add Qty,EMB No-1 in 1st RA Bill					0.00	m
			Add Qty,EMB No-2 in 2nd RA Bill					641.00	m
			Total Work Done					641.00	m
			DPQ Qty,EMB No-1 in 1st RA Bill					0.00	m
			Add Qty,EMB No-2 in 2nd RA Bill					641.00	m
			Qty Payable in this bill					Nill	m

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No 17

Asst.Executive Engineer
Yashwanthapura Sub-Division

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:: Construction of Arch and Providing Interlocking Tiles in Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple In Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over

Measurement Sheet

3rd And Final Bill

Sl No: 126

Providing and applying spray painting (excluding priming coat) over concrete / masonry / asbestos cement sheet / plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. . As Per Direction Of The Engineer Incharge

SI NO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS

Add Qty,EMB No-1 in 1st RA Bill	0.00	Sqm	
Add Qty,EMB No-2 in 2nd RA Bill	115.32	Sqm	
DPQ Qty,EMB No-1 in 1st RA Bill	115.32	Sqm	
Total Work Done	0.00	Sqm	
Add Qty,EMB No-2 in 2nd RA Bill	115.32	Sqm	
Qty Payable in this bill	Nill	Sqm	

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No 17

Asst.Executive Engineer
Yashwanthapura Sub Division

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Construction of Arch and Providing Interlocking Tiles in Front of Sri Raja Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over

Measurement Sheet

3rd And Final Bill

No.										
	127									
	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 . As Per Direction Of The Engineer Incharge									
WO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS	
	Add Qty,EMB No-1 in 1st RA Bill							0.00		
	Add Qty,EMB No-2 in 2nd RA Bill							115.32	Sqm	
	Total Work Done							115.32	Sqm	
	DPQ Qty,EMB No-1 in 1st RA Bill							0.00	Sqm	
	Add Qty,EMB No-2 in 2nd RA Bill							115.32	Sqm	
	Qty Payable in this bill							Nill	Sqm	

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No 17

Asst.Executive Engineer
Yashwanthapura Sub-Division

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Construction of Arch and Providing Interlocking Tiles in Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No.17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over

Measurement Sheet

3rd And Final Bill

No.	128

Excavation in Soil using Hydraulic Excavator CK 90 and Tippers with Disposal. Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location and complete as per specifications. MORTH Specification No.301 . As Per Direction Of The Engineer Incharge. **Upto 125%**

CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Add Qty,EMB No-1 in 1st RA Bill							0.00	
Add Qty,EMB No-2 in 2nd RA Bill(Up to 125%)							631.97	Cum
Add Qty,EMB No-2 in 2nd RA Bill(Above 125%)							42.00	Cum
Total Work Done							673.97	Cum
DPQ Qty,EMB No-1 in 1st RA Bill							0.00	Cum
DPQ Qty,EMB No-2 in 2nd RA Bill(Up to 125%)							631.97	Cum
DPQ Qty,EMB No-2 in 2nd RA Bill(Above 125%)							42.00	Cum
Qty Payable in this bill							Nill	Cum

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No 17

Asst.Executive Engineer
Yashwanthapura Sub-Division

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Extension of RCC Roof for Ramp Near Ganesha Temple In Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over

Measurement Sheet

3rd And Final Bill

No	129

Construction of granular sub-base Grading-V as sub base and drainage layers by providing coarse graded crushed stone aggregates of granite / trap / basalt material, mixing in mechanical mix plant at OMC carriage of mixed materials to work site, spreading in uniform layers with motor grader on prepared surface, and compacting with vibratory power roller to achieve the 98% proctor density, complete as per specifications. as per 401 of MORTH V revision. I.NO.20.5 P.NO.153.

CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Add Qty,EMB No-1 in 1st RA Bill							0.00	Cum
Add Qty,EMB No-2 in 2nd RA Bill(Up to 125%)							210.65	Cum
Add Qty,EMB No-2 in 2nd RA Bill(Above 125%)							437.62	Cum
Total Work Done							648.27	Cum
DPQ Qty,EMB No-1 in 1st RA Bill							0.00	Cum
DPQ Qty,EMB No-2 in 2nd RA Bill(Up to 125%)							210.65	Cum
DPQ Qty,EMB No-2 in 2nd RA Bill(Above 125%)							437.62	Cum
Qty Payable in this bill							Nill	Cum

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS ★ Bangalore

Consultant Representative

Assistant Engineer
Ward No 17

Asst.Executive Engineer
Yashwanthapura Sub-Division
20/5/2022

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Construction of Arch and Providing Interlocking Tiles in Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over

Measurement Sheet

3rd And Final Bill

Sl. No.										
	130									
	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 P.NO.155 I.NO=20.18. **Upto 125%**									
	CHAINAGE	NO	L	B	B1	Avg B	D	QTY	REMARKS	
	Land Mark		(m)	(m)	(m)	(m)	(m)			

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple In Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over

Measurement Sheet

3rd And Final Bill

Sl. No.									
	131								
	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM ,including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per Specifications, MORTH Specification No. 502 Complete with all lead and lift and as per the direction of the Engineer-in-Charge. . As Per Direction Of The Engineer Incharge								
	CHAINAGE	NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark		(m)	(m)	(m)	(m)	(m)		
			Add Qty,EMB No-1 in 1st RA Bill					0.00	Sqm
			Add Qty,EMB No-2 in 2nd RA Bill					1462.50	Sqm
			Total Work Done					1462.50	Sqm
			DPQ Qty,EMB No-1 in 1st RA Bill					0.00	Sqm
			Add Qty,EMB No-2 in 2nd RA Bill					1462.50	Sqm
			Qty Payable in this bill					Nill	Sqm

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant's Representative

Assistant Engineer
Ward No 17

Asst.Executive Engineer
Yashwanthapura Sub-Division

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Construction of Arch and Providing Interlocking Tiles in Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over

Measurement Sheet

3rd And Final Bill

Sl No.										
	132	Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications. Clause 505 of morth V revision using 40/60 TPH capacity H.M.P. with mechanical paver Gr-II (50mm to 75mm) with 4.5% VG-30 Bitumen. As Per Direction Of The Engineer Incharge.								
VO	CHAINAGE Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS	
			Add Qty,EMB No-1 in 1st RA Bill					0.00		
			Add Qty,EMB No-2 in 2nd RA Bill(Up to 125%)					66.44	Cum	
			DPQ Qty,EMB No-2 in 2nd RA Bill(Above 125%)					29.78	Cum	
			Total Work Done					96.22	Cum	
			DPQ Qty,EMB No-1 in 1st RA Bill					0.00	Cum	
			DPQ Qty,EMB No-2 in 2nd RA Bill(Up to 125%)					66.44	Cum	
			Qty Payable in this bill					29.78	Cum	
								Nill	Cum	

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS * Bangalore

Consultant Representative

Assistant Engineer
Ward No 17

Asst.Executive Engineer
Yashwanthapura Sub-Division

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:: Construction of Arch and Providing Interlocking Tiles in Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over

Measurement Sheet

3rd And Final Bill

No.										
	133	Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH/Chapter 5 . As Per Direction Of The Engineer Incharge.								
	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS	
		Add Qty,EMB No-1 in 1st RA Bill						0.00		
		Add Qty,EMB No-2 in 2nd RA Bill(Up to 125%)						1404.38	Sqm	
		Add Qty,EMB No-2 in 2nd RA Bill(Above 125%)						519.90	Sqm	
		Total Work Done						1924.28	Sqm	
		DPQ Qty,EMB No-1 in 1st RA Bill						0.00	Sqm	
		DPQ Qty,EMB No-2 in 2nd RA Bill(Up to 125%)						1404.38	Sqm	
		DPQ Qty,EMB No-2 in 2nd RA Bill(Above 125%)						519.90	Sqm	
		Qty Payable in this bill						Nill	Sqm	

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No 17

Asst.Executive Engineer
Yashwanthapura Sub-Division

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple In Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over

Measurement Sheet

3rd And Final Bill

No.									
	134								
	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction, in all respects complete as per specifications. Clause 507 of MORTH V revision as per (IRC SP-53 2015 – do – using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4 % of modified bituminus binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic). . As Per Direction Of The Engineer Incharge.							
	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	Add Qty,EMB No-2 in 2nd RA Bill(Up to 125%)							0.00	Cum
	Add Qty,EMB No-2 in 2nd RA Bill(Above 125%)							56.18	Cum
	Total Work Done							20.80	Cum
	DPQ Qty,EMB No-1 in 1st RA Bill							76.98	Cum
	DPQ Qty,EMB No-2 in 2nd RA Bill(Up to 125%)							0.00	Cum
	Qty Payable in this bill							56.18	Cum
								20.80	Cum
								Nill	Cum

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No 17

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Yashwanthapura Sub-Division

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:: Construction of Arch and Providing Interlocking Tiles in Front of Sai Baba Temple And Extension of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over

Measurement Sheet

3rd And Final Bill

	KSRB 12-1: Providing and laying in position to required level or slope of internal diameter salt glazed stoneware pipes grade A and jointing with stiff mixture of cement mortar in proportion vol 1:1, testing of pipes and joints,including cost of materials,labour charges complete as per specifications. Specification No. KBS 12.2.5/12.7 KSRB 12-1.9 - - d o - 230 mmn I No 11.4							
	CHAINAGE	NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark		(m)	(m)	(m)	(m)	(m)		
			Add Qty,EMB No-1 in 1st RA Bill					0.00	Rmt
			Add Qty,EMB No-2 in 2nd RA Bill					331.00	Rmt
			DPQ Qty,EMB No-1 in 1st RA Bill					331.00	Rmt
			Total Work Done					0.00	Rmt
			Add Qty,EMB No-1 in 1st RA Bill					331.00	Rmt
			Add Qty,EMB No-2 in 2nd RA Bill					Nill	Rmt
			Qty Payable in this bill						

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No 17

Asst.Executive Engineer
Yashwanthapura Sub-Division

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Construction of Arch and Providing Interlocking Tiles in Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over

Measurement Sheet

3rd And Final Bill

Item No: EIRL-2

Item Name: KSRB 12-3 : Providing and laying in position plain cement concrete of mix M 7.5 using 40mm and down size graded granite / trap metal for haunching of internal diameter stoneware pipes, concrete machine mixed laid in layers not exceeding 15 cms thick, well compacted, including cost of materials, labour charges, form work, HOM curing complete as per specifications. Specification No. KBS 4.1 / 4.2 I.No 11.22 P.No 73 230 mm

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS